Third United Nations International Conference on the Peaceful Uses of Atomic Energy

A/CONF.28/A/68
FRANCE
February 1964
Original: FRENCH

Confidential until official release during Conference

Abstract

SPECIAL GRAPHITES

by MM. P. LEVEQUE - C.E.N. SACLAY
F.M. LANG - C.E.N. SACLAY
J. RAPPENEAU - C.E.N. SACLAY
P. BLUM - C.E.N. GRENOBLE
L. BOCHIROL - C.E.N. GRENOBLE
CORNUAULT - PECHINEY
GALY - PECHINEY

(Commissariat à l'Energie Atomique, France)

A large fraction of the work undertaken jointly by the Commissariat à l'Energie Atomique (C.E.A.) and the Pechiney Company has been the improvement of the properties of nuclear pile graphite and the opening up of new fields of graphite application. New processes for the manufacture of carbons and special graphites have been developed : forged graphite, pyrocarbons, high density graphite, agglomeration of graphite powders by cracking of natural gas, impervious graphites. The physical properties of these products and their reaction with various oxidising gases are described. The first irradiation results are also given.

Translation provided by courtesy of the submitting Government